

Antenna Coupler MAN201

- A compact, wideband antenna coupler covering 300MHz to 9.5GHz.
- Can be integrated into a desktop-sized anechoic box.
- When performing RF inspections of wireless devices (DUTs), it simplifies DUT positioning, which ensures high measurement repeatability.

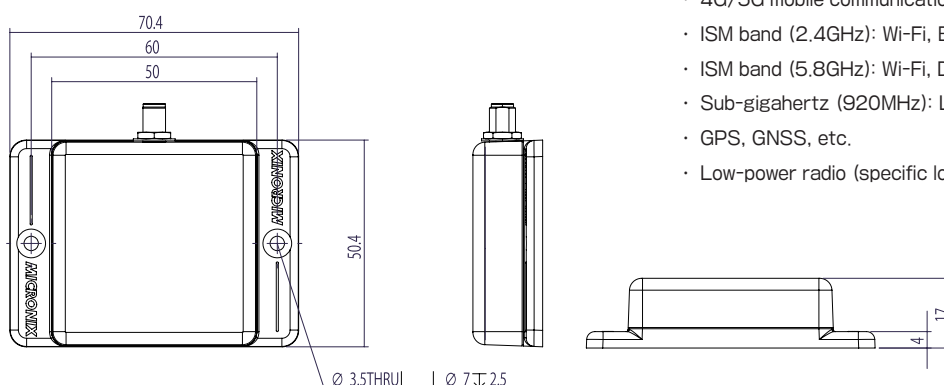


Specification

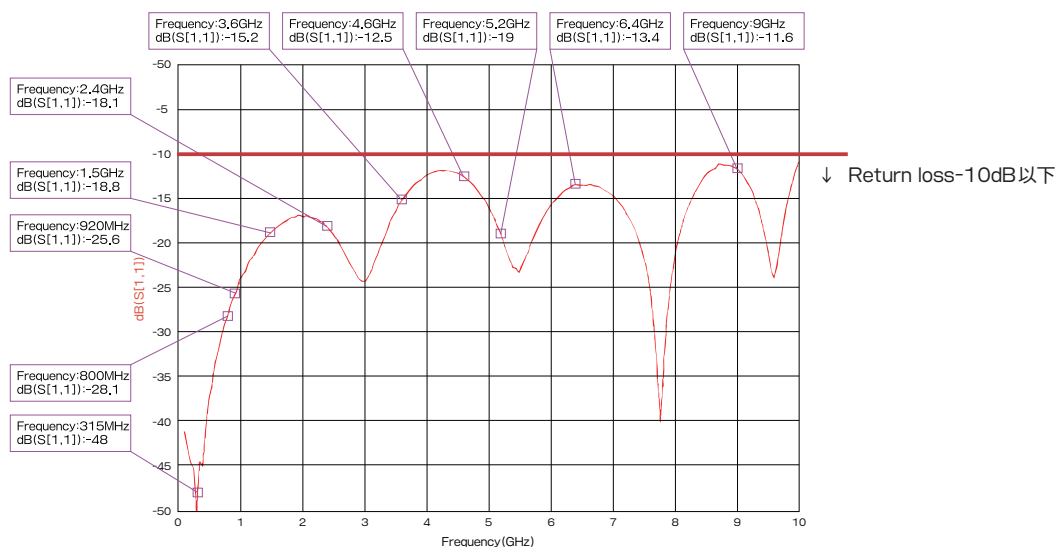
Frequency range	0.3 to 9.5GHz
Max. Input Power	5W
Impedance	50Ω
VSWR	≤ 2.0 (Return loss ≤ -10 dB)
Connector	SMA-J
Dimensions	50.4×70.4×17[mm] (Dimensions exclude protrusions)
Weight	≤ 60 g
Storage temperature and humidity	<ul style="list-style-type: none"> Temperature: -10 to 50°C Humidity: $\leq 70\%$ RH

Application

- 4G/5G mobile communication systems
- ISM band (2.4GHz): Wi-Fi, Bluetooth, etc.
- ISM band (5.8GHz): Wi-Fi, DSRC (ETC), etc.
- Sub-gigahertz (920MHz): LPWA, SigFox, LoRaWAN, etc.
- GPS, GNSS, etc.
- Low-power radio (specific low-power radio): TPMS, keyless entry, etc.



Performance data (Return loss)

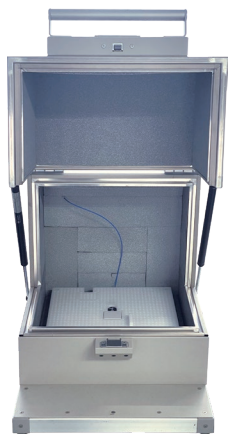


Jig for Antenna Coupler MAN201 (Optional)

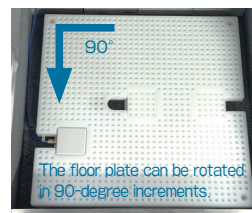
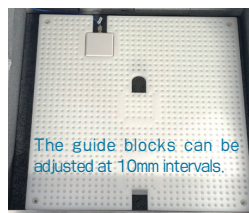
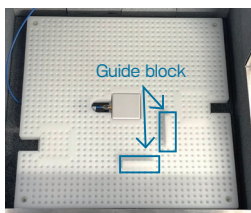
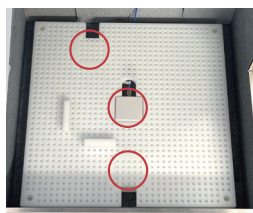
We offer dedicated jigs that can be installed in our anechoic boxes (the 7 models listed below).

■ Large Jig・MAN201-JIGL

Applicable Anechoic Boxes: MY1515・MY1520・MY2520・MY3720



Application image
【MY2520】



You can choose from three locations ○ for the antenna coupler.

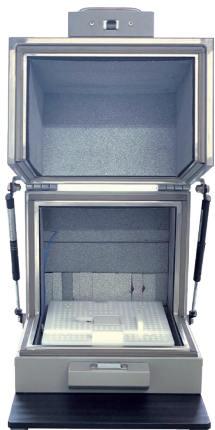
Additionally, since the jig can be rotated by 90 degrees, there are a total of nine possible positions for the antenna coupler.



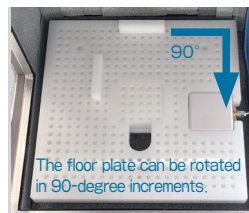
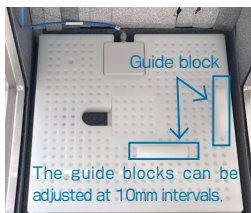
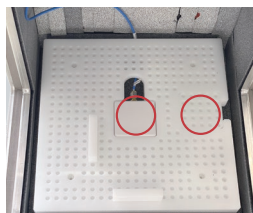
Image when a 14-inch tablet is placed.

■ Small Jig・MAN201-JIGS

Applicable Anechoic Boxes: MY1510・MY2510・MY3710



Application image
【MY2510】



You can choose from two locations ○ for the antenna coupler.

Additionally, since the jig can be rotated by 90 degrees, there are a total of five possible positions for the antenna coupler.

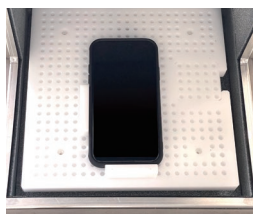


Image with a smartphone placed

■ Jig Set Contents

Floor Plate x 1 (with support post), Guide Block x 2, Coaxial Cable x 1, Hex Wrench x 2 types

※MICRONIX Corporation reserves the right to make change in design, specification and other information without prior notice.

MICRONIX

MICRONIX CORPORATION

2987-2, KOBIKI-CHO, HACHIOJI-SHI, TOKYO 193-0934 JAPAN

TEL: +81-42-637-3667 FAX: +81-42-637-0227

URL : <https://micronix-jp.com/>

E-mail : micronix_e@micronix-jp.com

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Product site

DQ2506E